ADDITIONAL INFORMATION

To obtain more information about the JITC JTRS Program, schedules or facilities contact the following JITC representatives:

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Increasing Combat Effectiveness

JOINT TACTICAL RADIO SYSTEM (JTRS) TEST FACILITY

Joint Interoperability Test Command

GENERAL INFORMATION

The Joint Tactical Radio System (JTRS) will combine the functionality of numerous single function radios among the Services into a single, Joint-interoperable family of radios. Radio procurements are grouped into clusters based on similarity of requirements and required fielding schedules. There are four defined clusters within the JTRS program:

- Cluster 1- Army: Vehicular and Rotary Wing Radios
- Cluster 2- Special Operations Command: Single Channel Hand-Held Radios
- Cluster AMF-Air Force / Navy: Airborne, Shipborne, and Fixed Station Radios
- Cluster 5- Army: Multi-Channel Hand-Held, Man Pack and Small Form Factor Radios

The JTRS sets will be software programmable, multi-band / multi-mode, network capable, and provide simultaneous voice, data, and video communications.

JITC JTRS ROLE

JITC has a major test and certification role in the JTRS program. Standards and specifications conformance testing and certification will be conducted on JTRS waveforms ported onto cluster radio sets. JITC will provide a conformance certification memorandum for each waveform successfully tested.

The JITC will also perform Joint interoperability testing and certification on all JTR sets. The interoperability testing will be conducted in conjunction with JTRS Cluster Multiservice Operational Test and Evaluation (MOT&E) tests that are conducted by designated Operational Test Agencies (OTA). However, the below described test facility can be used to augment interoperability testing.

TESTING CAPABILITIES

The test facility has a LAN-based test capability to perform simultaneous, manual and automated testing of multiple radios. The facility is equipped with state-of-the-art portable and fixed test equipment that allows it to perform all standard radio frequency measurements on handheld, manpack, vehicular, airborne, and shipboard radio systems. Specific radio waveforms that can be tested for conformance to standards/ specifications within the facility include:

SINCGARS	Have Quick II
EPLRS	WNW
VHF FM	UHF AM/FM PSK LOS
LINK 16	VHF for ATC
VHF AM	IBS-M
APCO-25	Link-11
ATC HF Data	Link-4A
Link 11B	DWTS
Link-22	Cellular

In addition to DOD customers, the JTRS lab will support other government agencies (city, county, state, and federal) and commercial vendors. All conformance certifications issued will be electronically archived and available through a web based register that is linked from the JITC home page.

JTRS SUPPORT TEST FACILITIES

JITC will perform waveform conformance testing at two other labs located at Fort Huachuca, Arizona:

- The High Frequency (HF) Test Facility will test waveform conformance for: HF, HF ALE, HF Email, HF Modem, and HF Anti-Jam.

- The Demand Assigned Multiple Access (DAMA) Test Facility will test waveform conformance for: Dedicated SATCOM, 5kHz DAMA, 25kHz DAMA, and Data Controllers.